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<small>USPTO Form 1449 U.S. Department of Commerce Patent and Trademark Office</small>			Attorney Docket No. 03848.00065	Serial No. To be assigned (Div. Of 09/086,285)		
INFORMATION DISCLOSURE CITATION <small>Sheet 1 of 5</small>			Applicant(s): David H. MACK			
			Filing Date: Concurrently herewith		Group: <u>163+</u> <small>TBA</small>	
U.S. PATENT DOCUMENTS						
Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
QJ	5,807,522	09/1998	Brown et al.	—	—	—
QJ	5,700,637	12/1997	Southern	—	—	—
FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation
QJ	WO 92/10588	06/1992	PCT/US	C12Q	1/68	—
QJ	89/10977	11/1989	WIPO	—	—	—
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)						
QJ	Sanchez-Beato et al. "MDM2 and p21, wild-type p53-induced proteins are regularly expressed by stemberred cells in hodgkins disease" 1996, Journal of Pathology, 180:58-64.					
QJ	Lewin, B. Genes V, 1994, page 76					
QJ	Schena et al. Parallel human genome analysis. Proc. Natl. Acad. Sci. 93(20): 10614-10619, October 1996					
QJ	Velculescu et al. Biological & Clinical Importance of p53 Clinical Chemistry Vo. 6, 858-868, 1996					
QJ	Lipshutz et al. "Using Oligonucleotide Probe Arrays to Access Genetic Diversity, BioTechniques, September 1995, Vol. 19, No. 3, pages 442-447					
QJ	Drmanac et al. Gene-Representing cDNA Clusters Defined by Hybridization of 57,419 Clones from Infant Brain Libraries with Short Oligonucleotide Probe, Genomics, October 1, 1996, Vol. 37, No. 1, pages 29-40					
QJ	Chee et al. Accessing Genetic Information with High-Density DNA Arrays, Science, October 5, 1996, Vol. 274, No. 5287, pages 610-614					
QJ	Geoffrey J. Clark et al. "Aberrant function of the Ras signal transduction pathway in human breast cancer" Breast Cancer Research and Treatment 35: 133-144 1995					
QJ	Nature Genetics ISSN 1061-4036 Nature Publishing Company, 1993, Vol. 4, pages 332-333					
EXAMINER <u>Q. Moldberg</u>				DATE CONSIDERED <u>2/0/03</u>		
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

gj	Dennis J. Slamon et al. "Human Breast Cancer: Correlation of Relapse and Survival with Amplification of the HER-2/neu Oncogene" Science ISSN 0036-8075 Elsevier Science 1987 Vol. 4785, pages 177-182
	March Chee et al. "Accessing Genetic Information with High-Density DNA Arrays" Science, ISSN 0036-8075 Elsevier Science, 1996, Vol. 5287, pages 610-614
	Lisa Coussens et al. "Tyrosine Kinase Receptor with Extensive Homology to EGF Receptor Shares Chromosomal Location with neu Oncogene" Science ISSN 0036-8075 Elsevier Science, 1985, Vol. 4730, pages 1132-39
	C. Richter King et al. "Amplification of a Novel v-erbB-Related Gene in a Human Mammary Carcinoma" Science, ISSN 0036-8075 Elsevier Science, 1985, Vol. 4717, pages 974-976
	Dennis J. Slamon et al. "Studies of the HER-2/neu Proto-oncogene in Human Breast and Ovarian Cancer" Science, ISSN 0036-8075 Elsevier Science, 1989, Vol. 4905, pages 707-712
	Tim van Biesen et al. "Receptor-tyrosine-kinase- and G β -mediated MAP kinase activation by a common signaling pathway", Nature, ISSN 0028-0836 MacMillan Journals 1995, Vol. 6543, pages 781-84
	N. Li et al. "Guanine-nucleotide-releasing factor hSos1 binds to Grb2 and links receptor tyrosine kinases to Ras signalling" Nature ISSN 0028-0836 MacMillan Journals, 1993, Vol. 6424, pages 85-88
↓	Matthias H. Kraus et al. "Isolation and characterization of ERBB3, a third member of the ERBB/epidermal growth factor receptor family: Evidence for overexpression in a subset of human mammary tumors" PNAS – Proceedings of the National Academy of Sciences, ISSN 0027-8424 National Academy of Sciences, 1989, Vol. 23, pages 9193-9197

EXAMINER

J. Goldberg

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

QJ	Anthonly J. Koleske et al. "Reduction of cavolin and caveolae in oncogenically transformed cells" PNAS – Proceedings of the National Academy of Sciences, ISSN 0027-8424 National Academy of Sciences, 1995, Vol. 92, pages 1381-85
	N.R. Lemoine et al. "Expression of the ERBB3 gene product in breast cancer" British Journal of Cancer, 1992, Vol. 66, pages 1116-1121
	H. Skhelton et al. "Heterodimerization and functional interaction between EGF receptor family members: A new signaling paradigm with implications for breast cancer research" Breast Cancer Research and Treatment ISSN 0107-8606 The Hague; Boston; M. Nijhoff 1995, Vol. 35, pages 115-132
	D. Stein et al. "The SH2 domain protein GRB-7 is co-amplified, overexpressed and in a tight complex with HER2 in breast cancer" EMBO Journal, ISSN 0261-4189 Oxford University Press, 1994, Vol. 13, pages 1331-40
	Shengwen Li et al. "Evidence for a Regulated Interaction between Heterotrimeric G Proteins and Caveolin" Journal of Biological Chemistry ISSN 0021-9258 American Society of Biological Cheemists 1995, Vol. 26, pages 15693-15701
	Louis R. Howe et al. "Lysophosphatidic Acid Stimulates Mitogen-activated Protein Kinase Activation via a G-protein-coupled Pathway Requiring p21" and p74" Journal of Biological Chemistry, ISSN 0021-9258 American Society of Biological Chemists 1993, Vol. 28, pages 20717-20
	Jacqueline Alblas et al. "G1-mediated Activation of the p21ras-Mitogen-activated protein Kinase Pathway by α2-Adrenergic Receptors Expressed in Fibroblasts" Journal of Biological Chemistry ISSN 0021-9258 American Society of Biological Chemistrs 1993 Vol. 30 pages 22235-38
↓	Michael P. Lisant "Caveolae, transmembrane signaling and cellular transformation" Molecular membrane biology, ISSN 0968-7688 Taylor & Francis, 1995, Vol. 1, pages 121-124

EXAMINER

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Christian Wallasch et al. "Heregulin-dependent regulation of HER2/neu oncogenic signaling by heterodimerization with HER3" EMBO Journal, ISSN 0261-4189 Oxford University Press, 1995, vol. 14, pages 4267-75
Rony Seger et al. "The MAPK signaling cascade" Faseb Journal, ISSN 0892-6638 Rossenfa and Labeur 1995, Vol. 9, pages 726-35
Victor E. Velculescu et al. "Biological and clinical importance of the p53 tumor suppressor gene" Clinical chemistry ISSN 0009-9147 P.B. Hoeber 1996 Vol. 6, pages 858-68
Adeline J. Hackett et al. "Two Syngeneic Cell Lines form Human Breast Tissue: The Aneuploid Mammary Epithelial (Hs578t) and the Diploid Myoepithelia (Hs578st) Cell Lines" Journal of the National Cancer Institute ISSN 0027-8874 Department of Health and Human Services, 1977, vol. 58(6) pages 1795-1806
Etienne Y. Lasfargues et al. "Isolation of Two Human Tumor Epithelia Cell Lines from Solid Breast Carcinomas" Journal of the National Cancer Institute, ISSN 0027-8874 Department of Health & Human Services, 1978, vol. 61(4) pages 967-78
March Schena et al. "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray" Science, ISSN 0036-8075, Elsevier Science, 1995, pages 467-70
Jennefit M. Styles et al. "Rath Monoclonal Antibodies to the External Domain of the Product of the C-erbB-2 Proto-Oncogene" International Journal of Cancer ISSN 0020-7136 Alan R. Liss, Inc. 1990 V. 45(2) pages 320-24
David J. Lockhart "Expression monitoring by hybridization to high-density oligonucleotide arrays" Nature biotechnology, 1996, pages 1675-1680
Mark S. Marshal "Ras target proteins in eukaryotic cells" Faseb Journal ISSN 0892-6638 Rossenfa and Labeur 1995, Vol. 9(13), pages 1311-18

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

↑	Victor E. Velculescu et al. "Serial Analysis of Gene Expression" Science, Vol. 270, October 20, 1995, pages 484-487
	Arnold J. Levine et al. "p53, the Cellular Gatekeeper for Growth and Division" Cell, Vol. 88, pages 323-331, February 7, 1997
	Stuart G. Lutzker et al. "A functionally inactive p53 protein in tetratocarcinoma cells is activated by either DNA damage or cellular differentiation" Nature Medicine, Vol. 2, No. 7, July 1996, pages 804-810
	P.M. Bentler "Multivariate Analysis with Latent Variables: Causal Modeling" Ann. Rev. Psychol. 1980, 31:419-56 The Journal of NIH Research, January 1997, Vol. 9, "To Much Information? Making Sense of Genome Sequence", pages 23-27
	Jackson S. Wan et al. "Cloning differentially expressed mRNAs" Nature Biotechnology, Vol. 14, December 1996, pages 1685-1691
↓	Mark D. Adams et al. "Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence" Nature ISSN 0028-0836 MacMillan Journals 1995, Vol. 377 (6547 Suppl) pages 3-174

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